



THE ROCKEFELLER UNIVERSITY

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December 22, 1992

Dr. Robert B. Stein
Vice President of Research
Ligand Pharmaceuticals Inc.
9393 Towne Centre Drive
Suite 100
San Diego, CA 92121

Dear Bob:

Thanks very much for your visit on December 10th. It is obvious from that short conversation that there is much to do but that we'll have a great deal of stimulation and satisfaction as we work to get it done.

We have had a number of searching discussions about what antibodies and nucleic acid oligonucleotides to ask you for. In the end I'm sending you a longer list than you probably will find reasonable. That we understand and will be happy to have whatever falls above your cut-off line. There are ten antibodies in order of their most immediate priorities. They are: 91-SH2 domain, 113-SH2 domain, two antibodies each for the kinases Jak1A, Tyk2A, Jak2A, and J1B, Ty2B, J2B. The final two are for internal domains of the interferon γ and α receptors, RG and RA.

For the nucleic acid probes that will be required to finish the patent we list a series of 23 oligos. If this is too many (we have already made ~20) let me know. When you've had a chance to look this over give me a call.

Best wishes for the holidays.

Sincerely yours,

James E. Darnell, Jr., M.D.
Professor

JED:lc
Encls.

① 915H (25mer)

- NGGEPDEHAVEPYTKKELSAVTFPD -

② 1135H (25mer)

- DDDKVLITYSVQPYTKREVLQSLPLTE -

③ J1A (30mer)

- FCAKMRSSKKTEVNLEAPEPGVEVIFYLSD -

④ T2A (30mer)

- RGSKPVGDGAQPMAMGGKVL LHWAGPGG -

⑤ J2A (30mer)

- ~~Q~~KHKESETLTEQDVQLYCDFPDIDVSIKQA -

⑥ J1B (21mer)

- INKLEEQNPDI VSRKKVQPTTE -

⑦ T2B (21mer)

- PILKTVHEKYQGQA P5VFSVC -

⑧ J2B (21mer)

- SLFTPDYELLTENDMLPNMRI -

⑨ RG (30mer)

- FG YDKPHVLVDLLVDDSGKESLIGYRPTED -

⑩ RA (30mer)

- DEDHKKYSSQTSQDSGNYSNEDESESKTSE -

NAME	Sequence	NAME	Sequence
S2T:	TTTTCCTGTAAGTG	A2T:	CACTTACAGGAAAA
S2C:	TCITTCCTGTAAGTG	A2C:	CACTTACAGGAAGA
S2G:	TGTTCCCTGTAAGTG	A2G:	CACTTACAGGAACA
S5G:	TATTGCTGTAAGTG	A5G:	CACTTACAGCAATA
S5T:	TATTTCTGTAAGTG	A5T:	CACTTACAGAAATA
S7G:	TATTCCTGGTAAGTG	A7G:	CACTTACCGGAATA
S7A:	TATTCCTAGTAAGTG	A7A:	CACTTACTGGAATA
S8T:	TATTCCTTTAAGTG	A8T:	CACTTAAAGGAATA
S9A:	TATTCCTGAAAGTG	A9A:	CACTTTCAGGAATA
S9G:	TATTCCTGGAAGTG	A9G:	CACTTCCAGGAATA
S9C:	TATTCCTGCAAGTG	A9C:	CACTTGCAGGAATA

14 mer for above 22 obj's

13R: (13 mer)

ATTCCTGTAAGTG

Total: 23 obj's